

## SORAA MR16 12V 7.5 & 9W - 120V ELV DIMMER/TRANSFORMER COMPATIBILITY - North America

NC - SORAA does not recommend this transformer for use with its lamps;

### 120V PHASE-DIMMABLE ELV TRANSFORMERS WITH REVERSE PHASE DIMMERS

Transformer (120V)	Model	Transformer Type	Number of lamps per transformer during test	Dimmer -->	CRESTRON DIN-1DIMU4	Lutron Caseta PD-5NE-XX	Lutron Diva DVELV-300P	Lutron Skylark SELV-300P	Lutron Radio RA2 RRD-6NA / HomeWorks HQRA-6NA	Lutron HW/LP-RPM-4A-120	Lutron Grafik Eye QS +PHPM	Lutron Spacer SPSELV-600	Lutron Maestro MAELV-600	Lutron Nova T NTELV-300
B+L	FX95100	Electronic	1		8%		7%	7%	4%	7%	3%	13%	NC	12%
Hatch	RS1215BFLED (*)	Electronic	1		5%		7%	9%	8%	5%	4%	8%	17%	8%
Hatch	RS12-60M	Electronic	2		8%		8%	9%	5%	5%	3%	8%	21%	8%
Hatch	RL12-75A	Electronic	2		NC		6%	7%	5%	NC	4%	NC	NC	9%
Hatch	RS12-150	Electronic	3		8%		8%	9%	4%	3%	5%	9%	19%	9%
Hatch	RS12-15M-LED (*)	Electronic	1		5%		7%	9%	8%	5%	4%	8%	17%	8%
Hatch	RS12-30M-LED	Electronic	2					9%					9%	
Hatch	RS12-60M-LED (*)	Electronic	1		5%		5%	9%	4%	5%	4%	8%	17%	8%
Juno	T537QJU (*)	Electronic	1		5%		5%	9%	4%	5%	4%	8%	17%	8%
Juno	T537U (*)	Electronic	1		5%		5%	9%	4%	5%	4%	8%	17%	8%
Lightech	LET60 (*)	Electronic	1		8%		9%	6%	5%	6%	3%	8%	14%	10%
Lightech	LET60-LW	Electronic	1		8%		8%	9%	4%	5%	3%	8%	21%	21%
Lightech	LET75	Electronic	1		NC		6%	4%	3%	NC	8%	8%	16%	16%
LTF	TA60WA12LED	Electronic	1		8%		8%	8%	2%	5%	2%	8%	17%	17%
LTF	TA105WA12LED-0000	Electronic	3		5%		9%	8%	3%	5%	3%	8%	17%	9%
LTF	TA300WDS12LEDRE	Electronic	3		8%		9%	9%	5%	6%	5%	8%	NC	9%
TwiceBright	CL1220 Series (*)	Electronic	1		12%	8%	6%	9%	6%	6%	6%	9%	6%	8%
WAC	EN1260	Electronic	1		8%		8%	9%	3%	NC	2%	8%	20%	20%

## SORAA MR16 12V 7.5 & 9W - 120V ELV DIMMER/TRANSFORMER COMPATIBILITY - North America

NC - SORAA does not recommend this transformer for use with its lamps;

120V NON PHASE-DIMMABLE TRANSFORMERS WITH DIFFERENT CONTROLS						
Transformer	Model		Number of lamps per transformer during test	Controllers, Potentiometers, PWM dimmers -->	Potentiometer	0-10V
<b>NA</b>						
<b>Fulham</b>	T1M1UNV012V-20L (120V & 277V)	Electronic/DC	1		0%	0%
<b>Meanwell</b>	PWM-90-12 (300Hz version) (*) (120V & 277V)	Electronic/DC	1		0%	0%
<b>Meanwell</b>	PWM-120-12 (300Hz version) (*) (120V & 277V)	Electronic/DC	1		0%	0%

## SORAA MR16 12V 7.5 & 9W - 120V ELV DIMMER/TRANSFORMER COMPATIBILITY - North America

NC - SORAA does not recommend this transformer for use with its lamps;

### 120V DIMMABLE TRANSFORMERS TESTED BY LEVITON

Transformer	Model		Number of lamps per transformer during test	Dimmer -->	Leviton PE400	Leviton Vizia+ Decora VPE06-1LZ Digital Push on/off	Leviton Renoir II AWSMT-EAW	Leviton Renoir II AWSMT-EBW
NA								
Hatch	RS12-60M-LED (*)	Electronic	1		8%	6%	3%	3%

**Notes:**

Compatibility tests are conducted by Soraa (unless stated otherwise) under bench conditions as guidance for the user.

Regards compatibility tests conducted by dimmer / transformer manufacturer, please contact Soraa or the manufacturer for more details and/or reports.

Results at the application site may differ due to variability in usage conditions or in dimmer or transformer components/manufacturing.

If the transformer's minimum wattage is not met, the lamp may only operate under nominal conditions (nominal line voltage and thermal conditions where the lamp is at full power).

Transformer maximum load listed in the transformer compatibility table should not be exceeded.

If the dimmer and/or transformer is not listed, please consult with Soraa before making recommendations to the end customer.

(\*) One or more test results with this transformer added to the compatibility list as of Revision E

--%	Dims to < 20% (of the measured light output)
--%	Dims to 20-30% (of the measured light output)
NC	Not compatible (or dims to >30%)
Blank cell	Not tested

## SORAA MR16 12V 7.5 & 9W - MLV DIMMER/TRANSFORMER COMPATIBILITY - North America

NC - SORAA does not recommend this transformer for use with its lamps;

**120V PHASE-DIMMABLE MLV TRANSFORMERS WITH FORWARD PHASE DIMMERS - TABLE FOR 7.5W & 9W LAMPS**

Transformer (120V)	Transformer Model	Transformer Type	Voltage	Number of lamps per transformer	Dimmer -->	Lutron Skylark SLV-600P	Lutron Diva DVLV-600P	Lutron Radio RA2 RRD-6NA	Marlin Controls Stellar	Lutron RPM-4U-120	Lutron Grafik Eye QS QSGRU-3P	Lutron Caseta PD-10NXD-XX	Lutron Nova-T NTLV-600	Lutron Caseta PD-5NE-XX
Q-Tran	QTMS-300MV	Magnetic	120V	1 - 10 (7.5W)							8%			
Q-Tran	QT50SV-120/12-RC	Magnetic	120V	1 - 4 (7.5W)							8%			
Q-Tran	QSET-300-120/12	Magnetic	120V	1 - 20 (7.5W)						8%				
RL (USAI)	T100 (*)	Magnetic	120V	1		22%	25%	6%	6%	5%	5%	8%	7%	6%
RL (USAI)	T75S-120V (*)	Magnetic	120V	1		16%	23%	6%	6%	4%	5%	8%	7%	6%
Toroid Tech (USAI)	TC0075-0035 (E2-034) (*)	Magnetic	120V	1		16%	24%	6%	6%	5%	5%	8%	7%	6%

## SORAA MR16 12V 7.5 & 9W - MLV DIMMER/TRANSFORMER COMPATIBILITY - North America

NC - SORAA does not recommend this transformer for use with its lamps;

**120V PHASE-DIMMABLE MLV TRANSFORMERS WITH FORWARD PHASE DIMMERS - TABLE FOR 9W LAMPS ONLY (7.5W UNDER TEST)**

Transformer	Model	Transformer Type	Voltage	Number of lamps per transformer	Dimmer -->	Lutron Skylark SLV-600P	Lutron Diva DVLV-600P	Lutron Radio RA2 RRD-6NA	Marlin Controls Stellar	Lutron Grafik Eye QS
Cooper	T50W120VSL	Magnetic	120V	1		NC	25%	6%	1%	5%
Cooper	TF-149911	Magnetic	120V	1		22%	24%	5%	4%	4%
Cooper	TF 149911-TP120	Magnetic	120V	1		14%	23%	6%	4%	4%
Cooper	TFA4120	Magnetic	120V	1		21%	24%	5%	4%	4%
Hatch	LS1275EN/12V	Magnetic	120V	1		21%	22%	5%	5%	4%
Juno	310-1333	Magnetic	120V	1		21%	26%	6%	1%	5%
Q-TRAN	QT10-120/12-TP-RC	Magnetic	120V	1		21%	15%	4%	4%	4%
Q-TRAN	QT20-120/12-TP-RC	Magnetic	120V	1		21%	24%	4%	4%	4%
Q-TRAN	QT50SV-120/12-RC	Magnetic	120V	1		22%	25%	5%	1%	5%

## SORAA MR16 12V 7.5 & 9W - MLV DIMMER/TRANSFORMER COMPATIBILITY - North America

NC - SORAA does not recommend this transformer for use with its lamps;

### Notes:

Compatibility tests are conducted by Soraa (unless stated otherwise) under bench conditions as guidance for the user.

Regards compatibility tests conducted by dimmer / transformer manufacturer, please contact Soraa or the manufacturer for more details and/or reports.

Results at the application site may differ due to variability in usage conditions or in dimmer or transformer components/manufacturing.

If the transformer's minimum wattage is not met, the lamp may only operate under nominal conditions (nominal line voltage and thermal conditions where the lamp is at full power).

Transformer maximum load listed in the transformer compatibility table should not be exceeded.

If the dimmer and/or transformer is not listed, please consult with Soraa before making recommendations to the end customer.

(\* ) One or more test results with this transformer added to the compatibility list as of Revision C

--%	Dims to < 20% (of the measured light output)
--%	Dims to 20-30% (of the measured light output)
NC	Not compatible (or dims to >30%)
Blank cell	Not tested